

# POWER SUPPLY FOR MOTOR VEHICLE

Publication number: JP7087601

Publication date: 1995-03-31

Inventor: NAKAZAWA YOSHIHIRO; TAMAKI KENJI; TORIYAMA MASAYUKI; KAWAGUCHI KENJI

Applicant: HONDA MOTOR CO LTD

Classification:

- international: B60L1/00; B60K17/04; B60L3/00; B60L11/18; B62J39/00; H02M3/28; B60L1/00; B60K17/04; B60L3/00; B60L11/18; B62J39/00; H02M3/24; (IPC1-7): B60L1/00; B60L11/18; H02M3/28

- european: B60K17/04B; B60L3/00; B60L11/18L2

Application number: JP19930230484 19930916

Priority number(s): JP19930230484 19930916

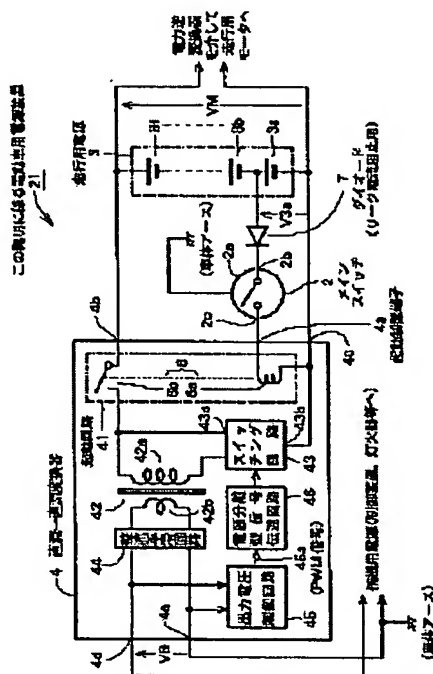
Also published as:

EP0644079 (A2)  
US5583751 (A1)  
EP0644079 (A3)  
EP0644079 (B1)

Report a data error here

## Abstract of JP7087601

**PURPOSE:**To provide a power supply for motor vehicle in which a main switch of low withstand voltage can be used and current leak from a floating power supply for running through the main switch is blocked even the insulation between the main switch and the car body earth is deteriorated. **CONSTITUTION:**A power supply 3 for a running motor comprising a plurality of batteries 3a-3f connected in series is floated from the car body earth. A step-down DC-DC converter 4 having isolated input and output receives the starting power or signal from a part 3a of the power supply 3a at least through a diode 7 and a main switch 2 thus starting the DC-DC converter. The DC-DC converter is fed with power from the power supply 3 for running motor and provides a power supply VB being stepped down for auxiliary machine on the output side.



Data supplied from the esp@cenet database - Worldwide







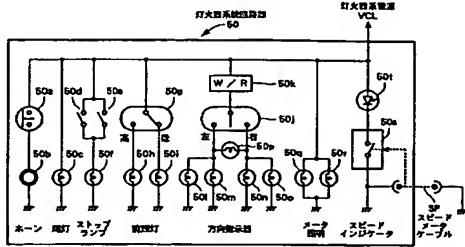




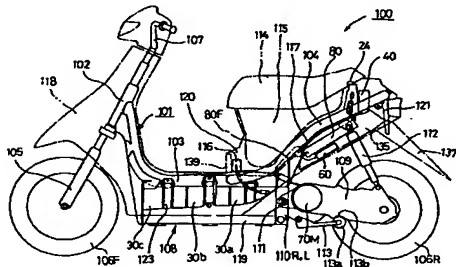
31  
【図31】 後続端子の構造図  
【図32】 従来の電動車用電源装置の回路構成図  
【図33】 従来の電動車用電源装置の回路構成とそ  
の問題点を示す説明図  
【図34】 メインスイッチの具体的な構造例を示す説明図  
【符号の説明】  
2 メインスイッチ  
3, 30 走行用電源  
3a~3f, 30a~30f 電池ユニット

32  
\* 4, 40, 40A 直流-直流変換器  
7, 8 リーク電流防止用のダイオード  
21, 22, 23, 24 電動車用電源装置  
41 起動回路  
70M 走行用モータ  
BAT 2次電池  
LC, LCR リーク電流  
VB 補換用電源

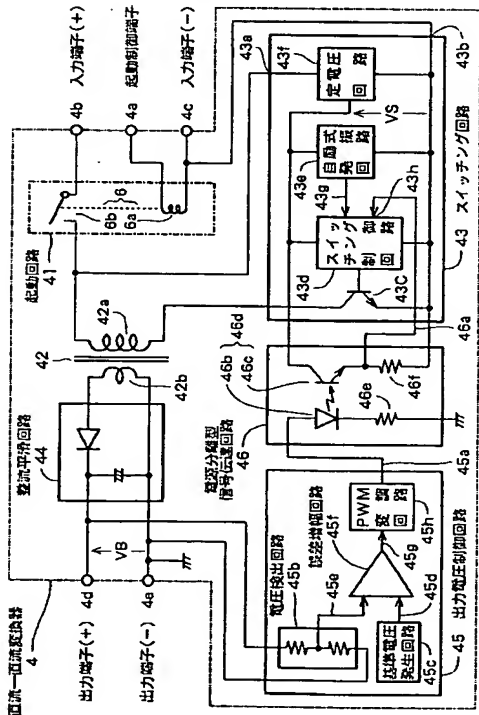
【図9】



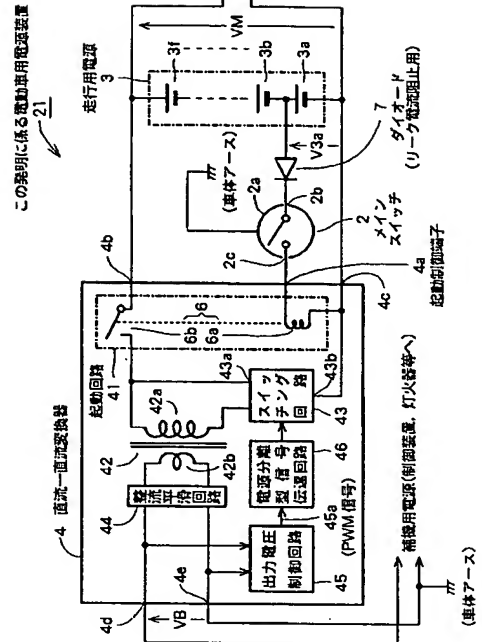
【図12】



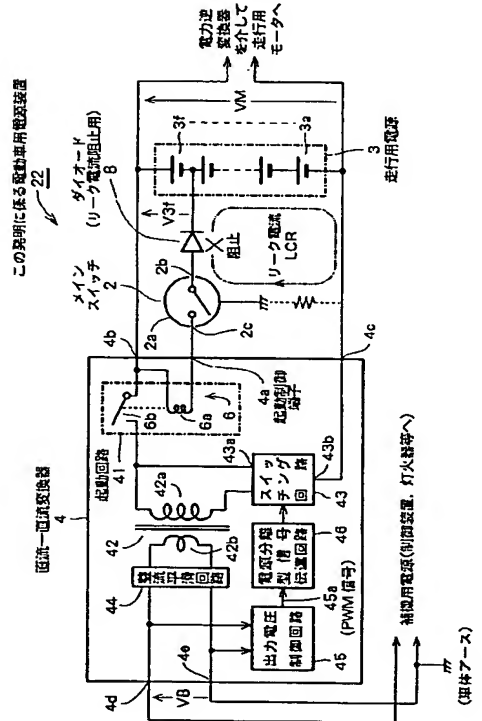
【図2】



【図1】

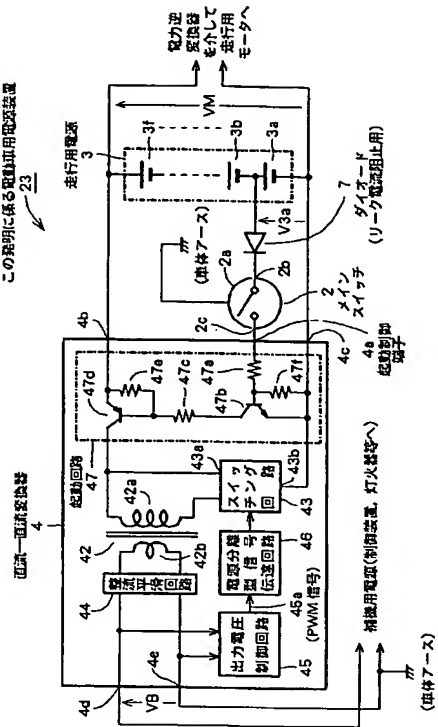


【図3】



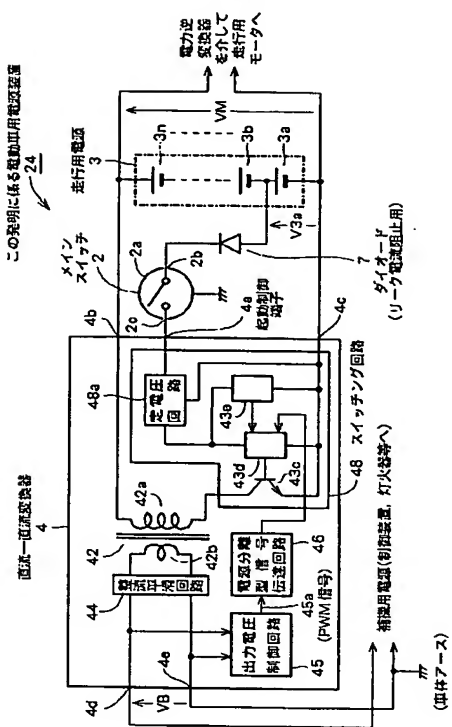
(図4)

この発明に係る電動車用電源装置

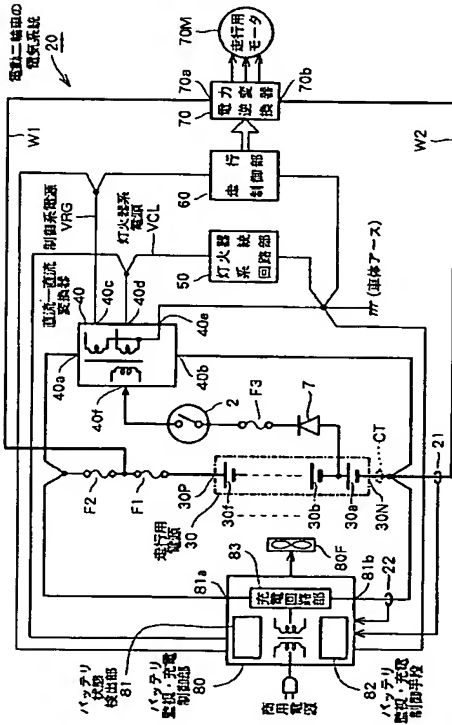


(図5)

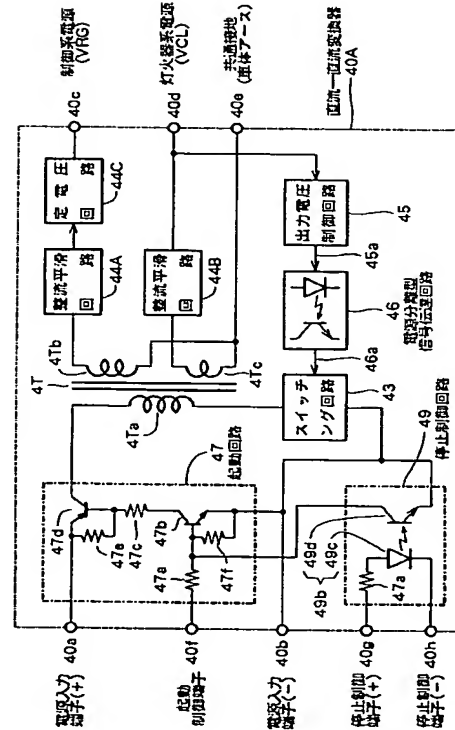
この発明に係る電動車用電源装置



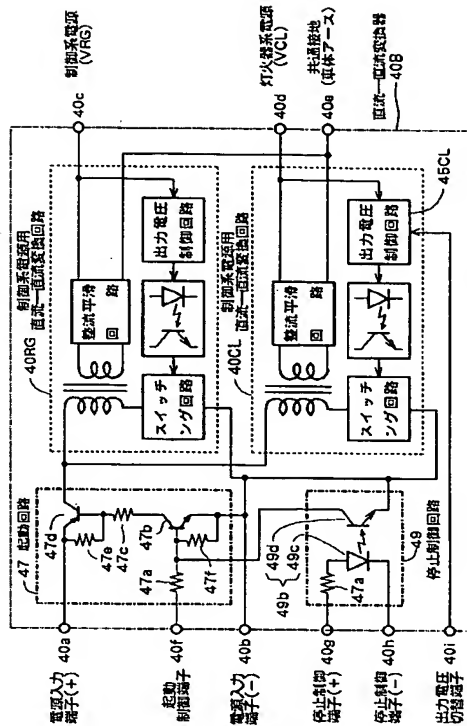
(図6)

電動二輪車の  
電気系統

(図7)



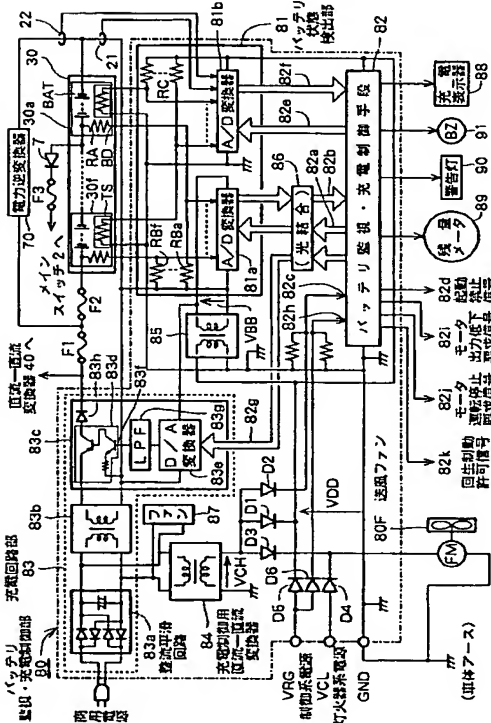
【図8】



(27)

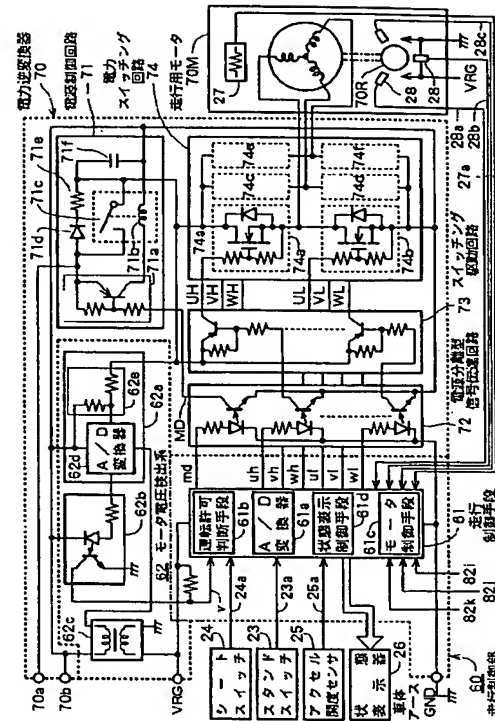
特開平7-87601

【図11】



(28)

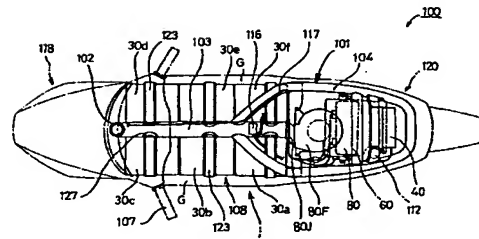
【図10】



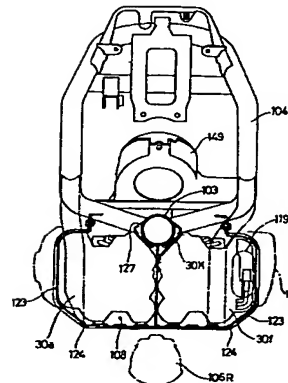
(29)

特開平7-87601

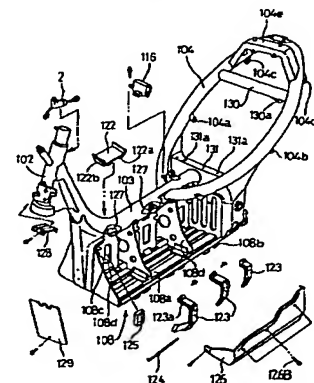
【図13】



【図14】

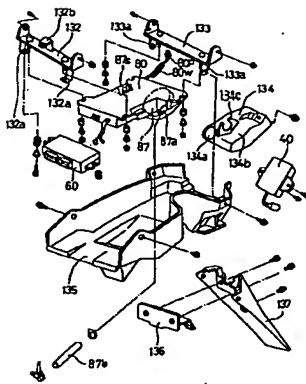


【図15】

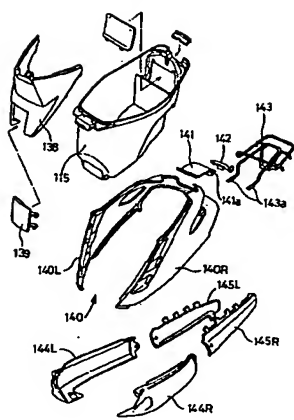




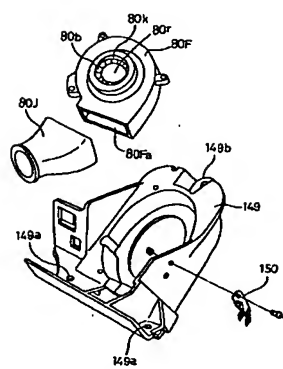
【図16】



【図17】



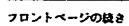
【図18】



【圖 3 1】



【圖 3 3】



**This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record.**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☒ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**